**Round 1**

|  |  |
| --- | --- |
| **Person 1** | **Person 2** |
| Write the inverse of the following conditional:  *If your cable company puts you on hold, then you get mad.*  **Inverse: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | Write the converse of the following conditional:  *If your cable company puts you on hold, then you get mad.*  **Converse: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |
| **Person 3** | **Person 4** |
| Write the inverse of the following conditional:  *If you get an eye patch, then people think you’re tough.*  **Inverse: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | Write the converse of the following conditional:  *If you get an eye patch, then people think you’re tough.*  **Converse: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |

**Round 2**

|  |  |
| --- | --- |
| **Person 1** | **Person 2** |
| Always, sometimes, or never true?  *If you add two positive integers, then the sum is a positive integer.*  **Always, sometimes, never: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **Counterexample, if necessary:** | Always, sometimes, or never true?  *If you add a positive and a negative positive integer, then the sum is a positive integer.*  **Always, sometimes, never: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **Counterexample, if necessary** |
| **Person 3** | **Person 4** |
| Always, sometimes, or never true?  *If you add two negative integers, then the sum is a negative integer.*  **Always, sometimes, never: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **Counterexample, if necessary:** | Always, sometimes, or never true?  *If you multiply two numbers, then the product is greater than each number.*  **Always, sometimes, never: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **Counterexample, if necessary:** |

**Round 3**

|  |  |
| --- | --- |
| **Person 1** | **Person 2** |
| **The intersection of the Plane *U* and Plane *X* is:**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | **The intersection of and is:**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |
| **Person 3** | **Person 4** |
| **The intersection of and is**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | **Name three collinear points:**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |

**Round 4**

|  |  |
| --- | --- |
| **Person 1** | **Person 2** |
| **Name an acute angle:**  **Name an obtuse angle:** | **Name a pair of supplementary angles:**  **Name three supplementary angles:** |
| **Person 3** | **Person 4** |
| **Name a pair of complementary angles:** | **Name four supplementary angles:** |

**Round 5**

|  |  |
| --- | --- |
| **Person 1** | **Person 2** |
| **Given**: 44 – 2(3x + 4) = -18  **Prove**: x = 9    **#2 in the “Reasons” column is:**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | **Given**: 44 – 2(3x + 4) = -18  **Prove**: x = 9    **#3 in the “Reasons” column is:**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |
| **Person 3** | **Person 4** |
| **Given**: 44 – 2(3x + 4) = -18  **Prove**: x = 9    **#4 in the “Reasons” column is:**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | **Given**: 44 – 2(3x + 4) = -18  **Prove**: x = 9    **#5 in the “Reasons” column is:**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |

**Round 6**

|  |  |
| --- | --- |
| **Person 1** | **Person 2** |
| **If AC = 64, find the value of x.** | **If AC = 64, find the length of AB.** |
| **Person 3** | **Person 4** |
| **If AC = 64, find the length of AB.** | **Point B is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of AC.** |